**Quiz: 40 Points**

1. The tendency of an object to maintain its state of motion is called: *(4 points)*
2. Newton’s first law
3. Galileo’s principle
4. Inertia
5. If an object is moving with a constant velocity: *(4 points)*
6. There must be a force in the direction of the velocity
7. There must be no force in the direction of the velocity
8. There is a net force
9. There must be no net force
10. Mass is a measurement of: *(4 points)*
11. How much an object weights
12. How hard it is to stop an object
13. The inertia of an object
14. The tendency of an object to move
15. An object that has a mass of 38-kg has a weight of: *(4 points)*
16. 38 Newtons
17. 372 Pounds
18. 372 Newtons
19. 3.87 Pounds
20. If there is a net force on a mass, the mass*: (4 points)*
21. Accelerates
22. Maintains a uniform velocity
23. Does not move
24. Does not accelerate
25. In order to increase the acceleration of an object, one could: *(4 points)*
26. Increase the mass
27. Increase the weight
28. Increase the force
29. Decrease the force
30. What force tends to cause objects on Earth to stop moving the most? *(4 points)*
31. Air resistance
32. Friction
33. Inertia
34. Weight
35. An object has a weight of 200 Newtons, what is its mass on the moon where gravity is 1/6th that of Earth? *(4 points)*
36. 20.4-kg
37. 1960-kg
38. 3.4-kg
39. 33.3-kg
40. An object has a mass of 59-kg on Earth, what is its weight outside the solar system where it is away from the sun’s gravity? *(4 points)*
41. 578.2 Newtons
42. 578.2 Pounds
43. 0 Newtons
44. 6.02 Newtons
45. 59 Kilograms
46. An object has a mass of 59-kg on Earth, what is its mass outside the solar system where it is away from the sun’s gravity? *(4 points)*
47. 59 Kilograms
48. 578.2 Kilograms
49. 0 Kilograms
50. 6.02 Kilograms
51. What keeps the Earth moving? *(BONUS: 1 Point)*
52. Gravity
53. Inertia
54. Force
55. Mass